

FIG. 1B

FIG. 2

TCGGTTTTTCACAGTTGTTACATTTCTTTTCAGTAAAGTCTGGATGCATATG
GCGGCCGCATAA**CTTCGTATAGCATACATTATACGAAGTTATCTAGAGTTGC**
ATGCCTGCAGGTCCGAATTTCTGCCATTCATCCGCTTATTATCACTTATTCA
GGCGTAGCACCAGGCGTTTAAGGGCACCAATAACTGCCTTAAAAAAATTA
CGCCCCGCCCTGCCACTCATCGCAGTACTGTTGTAATTCATTAAGCAT
TCTGCCGACATGGAAGCCATCACAAACGGCATGATGAACCTGAATCG
CCAGCGGCATCAGCACCTTGTCGCCTTGCGTATAATATTTGCCCATGG
TGAAAACGGGGGGCGAAGAAGTTGTCCATATTGGCCACGTTTAAATCA
AAACTGGTGAAACTCACCCAGGGATTGGCTGAGACGAAAAACATATT
CTCAATAAACCCCTTTAGGGGAAATAGGCCAGGTTTTACCGTAACACGC
CACATCTTGCGAATATATGTGTAGAACTGCCGGAAATCGTCGTGGTA
TTCACTCCAGAGCGATGAAAACGTTTCAGTTTGCTCATGGAAAACGGT
GTAACAAGGGTGAACTATCCCATATCACCAGCTCACCGTCTTTTCAT
TGCCATACGGAATTCGGGATGAGCATTATCAGGCGGGCAAGAATGT
GAATAAAGGCCGGATAAACTTGTGCTTATTTTTCTTTACGGTCTTTA
AAAAGGCCGTAATATCCAGCTGAACGGTCTGGTTATAGGTACATTGA
GCAACTGACTGAAATGCCTCAAAATGTTCTTTACGATGCCATTGGGAT
ATATCAACGGTGGTATATCCAGTGATTTTTTTCTCCATTTTAGCTTCCTT
AGCTCCTGAAAATCTCGATAACTCAAAAAATACGCCCGGTAGTGATCTTA
TTTCATTATGGTGAAAGTTGGAACCTCTTACGTGCCGATCAACGTCTCATT
TTCGCCAAAAGTTGGCCCAGGGCTTCCCGGTATCAACAGGGACACCAGGA
TTTATTTATTCTGCGAAGTGATCTTCCGTCACAGGTATTTATTCGGACTCTA
GATAACTTCGTATAGCATACATTATACGAAGTTATGGATCATGGCTGTGCAG****
GTCGTAAATCACTGCATAATTCGTGTCGCTCAAGGCGCACTCCCGTTCTGG
ATAATGTTTTTTTGCGCCGACATCATAACGGTTCTGGCAAATATTCTGAAAT
GAGCTGTTGACAATTAATCATCCGGCTCGTATAATGTGTGGAATTGTGAGC
GGATAACAATTTCACACAGGAAACAGACTAATTCACAATAAAAAATAACCA
TATTGGAGGGCATCATG

FIG. 3

CAGCAGTGGTGGTGATCGGTTTTGGCTGGGGCCCCCTCCCCGCACCGG
AGGCCGATTACAGCCAACCACAACAGGCAAAGGGTTTGGAAGATATT
CATATTATTATTGCGGTTGTCACAGTTGTTACATTTCTTTTCAGTAAAG
TCTGGATGCATATGGCGGCCGCATAACTTCGTATAGCATACATTATACGAAGT
TATGGATCATGGCTGTGCAAGGTCGTAAATCACTGCATAATTGGTGTCGCTCA
AGGCGCACTCCCGTTCTGGATAATGTTTTTTGCGCCGACATCATAACGGTTC
TGGCAAATATTCTGAAATGAGCTGTTGACAATTAATCATCCGGCTCGTATAA
TGTGTGGCATTG

FIG. 4

ACTTAGTTTGCCCAGCTTGCAAAAAGGCATCGCTGCAATTGGATGCATAT
GGCGGCCGCGCATAA**CTTCGTATAGCATACATTATACGAAGTTATCTAGAGTTG**
CATGCCTGCAGGTCCGAATTTCTGCCATTTCATCCGCTTATTATCACTTATTC
AGGCGTAGCACCAGGCGTTTAAAGGGCACCAATAACTGCCTTAAAAAAAT**T**
ACGCCCCGCCCTGCCACTCATCGCAGTACTGTTGTAATTCATTAAGCA
TTCTGCCGACATGGAAGCCATCACAAACGGCATGATGAACCTGAATC
GCCAGCGGCATCAGCACCTTGTCGCCTTGCGTATAATATTTGCCCATG
GTGAAAACGGGGGGCGAAGAAGTTGTCCATATTGGCCACGTTTAAATC
AAAAGTGGTGAACTCACCCAGGGATTGGCTGAGACGAAAAACATAT
TCTCAATAAACCCCTTTAGGGGAAATAGGCCAGGTTTTCACCGTAACACG
CCACATCTTGCGAATATATGTGTAGAAACTGCCGGAAATCGTCGTGGT
ATTCACTCCAGAGCGATGAAAACGTTTCAGTTTGCTCATGGAAAACGG
TGTAACAAGGGTGAACACTATCCCATATCACCAGCTCACCGTCTTTCA
TTGCCATACGGAATTCCGGATGAGCATTTCATCAGGCGGGCAAGAATG
TGAATAAAGGCCGGATAAAACTTGTGCTTATTTTTCTTTACGGTCTTT
AAAAAGGCCGTAAATATCCAGCTGAACGGTCTGGTTATAGGTACATTG
AGCAACTGACTGAAATGCCTCAAAATGTTCTTTACGATGCCATTGGGA
TATATCAACGGTGGTATATCCAGTGATTTTTTTCTCCATTTTAGCTTCC
TTAGCTCCTGAAAATCTCGATAACTCAAAAAATACGCCCGGTAGTGATCTT
ATTTCAATTATGGTGAAAGTTGGAACCTCTTACGTGCCGATCAACGTCTCAT
TTTCGCCAAAAGTTGGCCCAGGGCTTCCCGGTATCAACAGGGACACCAGG
ATTTATTTATTCTGCGAAGTGATCTTCCGTACAGGTATTTATTCGGACTCT
AGATAACTTCGTATAGCATACATTATACGAAGTTATGGATCATGGCTGTGCA
GGTCGTAAATCACTGCATAATTCGTGTGCTCAAGGCGCACTCCCGTTCTG
GATAATGTTTTTTGCGCCGACATCATAACGGTTCTGGCAAATATTCTGAAA
TGAGCTGCTGACAATTAATCATCCGGCTCGTATAATGTGTGGAATTGTGAG
CGGATAACAATTTACACAGGAAACAGACGAGAAAGAATTATTTTGACTTT
AGCGGAGCAGTTGAAGAATG

FIG. 5

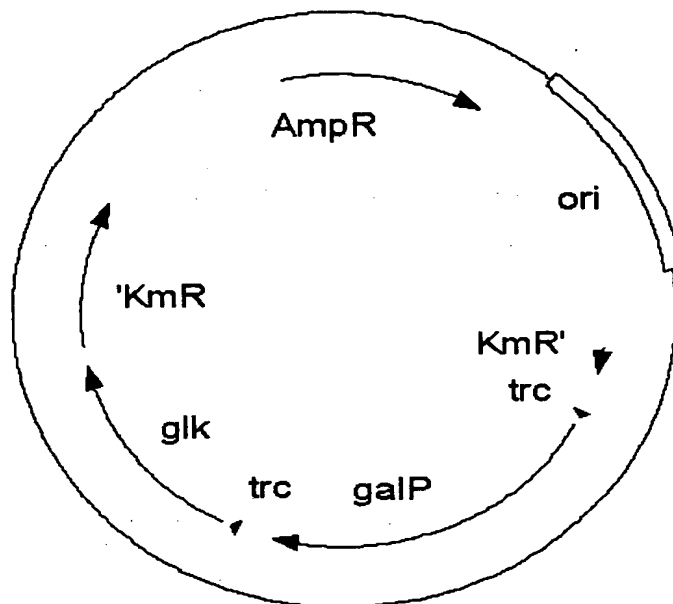


FIG. 6

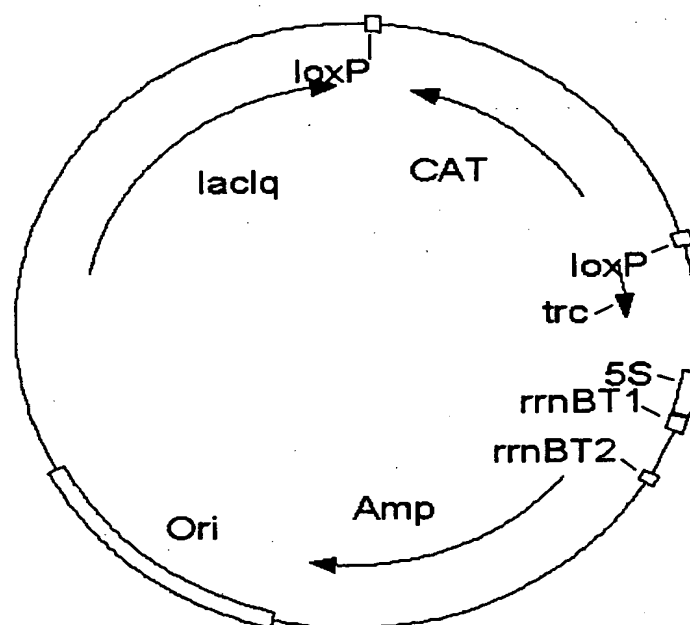


FIG. 7A.

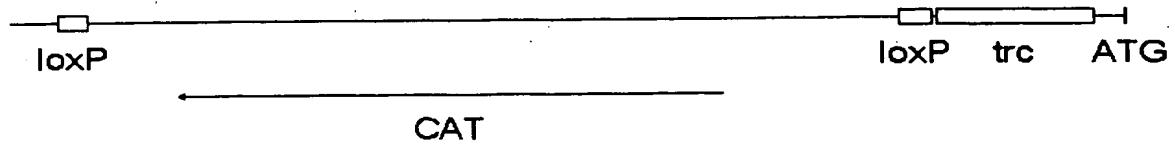


FIG. 7B

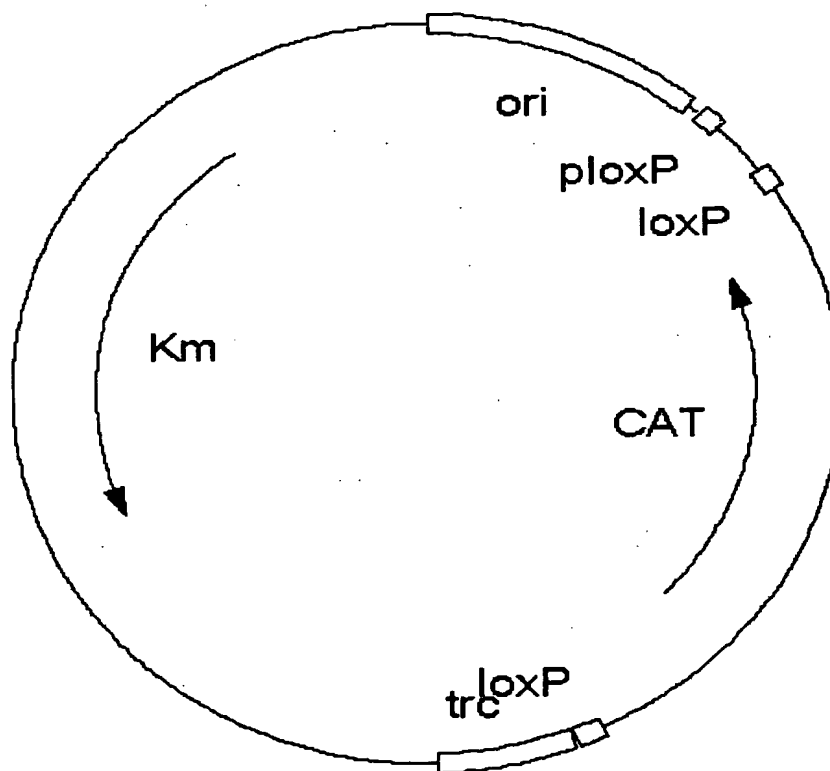


FIG. 8A

TAGTAAAGCCCTCGCTAGATTTTAATGCGGATGTTGCGATTACTTCGCCAACTAT
TGCGATAACAAGAAAAAGCCAGCCTTTTCATGATATATCTCCCAATTTGTGTAGGG
CTTATTATGCACGCTTAAAAATAATAAAAGCAGACTTGACCTGATAGTTTGGCTG
TGAGCAATTATGTGCTTAGTGTCATCTAACGCTTGAGTTAAGCCGCGCCGCGAAG
CGGCGTCGGCTTGAACGAATTGTTAGACATTATTTGCCGACTACCTTGGTGATC
TCGCCTTTCACGTAGTGGACAAATTCTTCCAAGTATGACGGGCTGAT
CGATCTTCTTGTCCAAGATAAGCCTGTCTAGCTTCAAGTATGACGGGCTGAT
ACTGGGCGCGCAGGCGCTCCATTGCCAGTCGGCAGCGACATCCTTCGGCGC
GATTTTGCCGGTTACTGCGCTGTACCAAATGCGGGACAACGTAAGCACTACATT
TCGCTCATCGCCAGCCAGTCGGGCGGCGAGTTCCATAGCGTTAAGGTTTCAT
TTAGCGCCTCAAATAGATCCTGTTCAAGAACCGGATCAAAGAGTTCCTCCGCCG
CTGGACCTACCAAGGCAACGCTATGTTCTCTTGCTTTTGTGAGCAAGATAGCCA
GATCAATGTCGATCGTGGCTGGCTCGAAGATACCTGCAAGAATGTCATTGCGCT
GCCATTCTCCAAATTGCAGTTCGCGCTTAGCTGGATAACGCCACGGAATGATGT
CGTCGTGCACAACAATGGTGACTTCTACAGCGCGGAGAATCTCGCTCTCTCCAG
GGGAAGCCGAAGTTTCCAAAAGGTCGTTGATCAAAGCTCGCCGCGTTGTTTCAT
CAAGCCTTACGGTCACCGTAACCAGCAAATCAATATCACTGTGTGGCTTCAGGC
CGCCATCCACTGCGGAGCCGTACAAATGTACGGCCAGCAACGTCGGTTCGAGA
TGCGCTCGATGACGCCAACTACCTCTGATAGTTGAGTCGATACTTCGGCGATC
ACCGCTTCCCTCATGATGTTTAACTTTGTTTTAGGGCGACTGCCCTGCTGCGTA
ACATCGTTGCTGCTCCATAACATCAAACATCGACCCACGGCGTAACGCGCTTGC
TGCTTGATGCCCCGAGGCATAGACTGTACCCCAAAAAACAGTCATAACAAGCC
ATGAAAACCGCCACTGCGCCGTTACCACCGCTGCGTTCGGTCAAGGTTCTGGA
CCAGTTGCGTGAGCGCATACGCTACTTGCAATTACAGCTTACGAACCGAACAGGC
TTATGTCCACTGGGTTTCGTGCCTTCATCCGTTTCCACGGTGTGCGTCACCCGGC
AACCTTGGGCAGCAGCGAAGTCGAGGCATTTCTGTCCTGGCTGGCGAACGAGC
GCAAGGTTTCGGTCTCCACGCATCGTCAGGCATTGGCGGCCTTGCTGTTCTTCT
ACGGCAAGGTGCTGTGCACGGATCTGCCCTGGCTTCAGGAGATCGGAAGACCT
CGGCCGTGCGGGCGCTTGCCGGTGGTGCTGACCCCGGATGAAGTGGTTCGCA
TCCTCGGTTTTCTGGAAGGCGAGCATCGTTTGTTGCGCCAGCTTCTGTATGGAA
CGGGCATGCGGATCAGTGAGGGTTTGCAACTGCGGGTCAAGGATCTGGATTTC
GATCACGGCACGATCATCGTGCGGGAGGGCAAGGGCTCCAAGGATCGGGCCT

FIG. 8B

TGATGTTACCCGAGAGCTTGGCACCCAGCCTGCGCGAGCAGGGGAATTAATTC
CCACGGGTTTTGCTGCCCGCAAACGGGCTGTTCTGGTGTGCTAGTTTGTTATC
AGAATCGCAGATCCGGCTTCAGCCGGTTTGCCGGCTGAAAGCGCTATTTCTTCC
AGAATTGCCATGATTTTTTCCCCACGGGAGGCGTCACTGGCTCCCGTGTTGTCG
GCAGCTTTGATTGATAAGCAGCATCGCCTGTTTCAGGCTGTCTATGTGTGACT
GTTGAGCTGTAACAAGTTGTCTCAGGTGTTCAATTTTCATGTTCTAGTTGCTTTGT
TTTACTGGTTTCACCTGTTCTATTAGGTGTTACATGCTGTTTCATCTGTTACATTGT
CGATCTGTTTCATGGTGAACAGCTTTGAATGCACCAAAAACCTCGTAAAAGCTCTG
ATGTATCTATCTTTTTTACACCGTTTTTCATCTGTGCATATGGACAGTTTTCCCTTT
GATATGTAACGGTGAACAGTTGTTCTACTTTTGTTTGTTAGTCTTGATGCTTCACT
GATAGATAACAAGAGCCATAAGAACCTCAGATCCTTCCGTATTTAGCCAGTATGTT
CTCTAGTGTGGTTCGTTGTTTTTGCCTGAGCCATGAGAACGAACCATTGAGATC
ATACTTACTTTGCATGTCACTCAAAAATTTTGCCTCAAAAACCTGGTGAGCTGAATTT
TTGCAGTTAAAGCATCGTGTAGTGTTTTCTTAGTCCGTTATGTAGGTAGGAATC
TGATGTAATGGTTGTTGGTATTTTGTCAACCATTCATTTTTATCTGGTTGTTCTCAA
GTTCCGTTACGAGATCCATTTGTCTATCTAGTTCAACTTGGAAAATCAACGTATC
AGTCGGGCGGCCTCGCTTATCAACCACCAATTTTCATATTGCTGTAAGTGTTTAA
TCTTTACTTATTGGTTTCAAACCCATTGGTTAAGCCTTTTAACTCATGGTAGTT
ATTTTCAAGCATTAAACATGAACCTAAATTCATCAAGGCTAATCTCTATATTTGCCT
TGTGAGTTTTCTTTGTGTTAGTTCTTTAATAACCACTCATAAATCCTCATAGAG
TATTTGTTTTCAAAGACTTAACATGTTCCAGATTATATTTTATGAATTTTTTAAAC
TGGAAGATAAGGCAATATCTCTTCACTAAAACTAATTCTAATTTTTCGCTTGA
GAACTTGGCATAGTTTGTCCACTGGAAAATCTCAAAGCCTTTAACCAAAGGATTC
CTGATTTCCACAGTTCTCGTCATCAGCTCTCTGGTTGCTTTAGCTAATACACCAT
AAGCATTTTCCCTACTGATGTTTCATCATCTGAGCGTATTGGTTATAAGTGAACGA
TACCGTCCGTTCTTTCTTGTTAGGGTTTTCAATCGTGGGGTTGAGTAGTGCCAC
ACAGCATAAAATTAGCTTGGTTTCATGCTCCGTTAAGTCATAGCGACTAATCGCT
AGTTCATTTGCTTTGAAAACAATAATTGAGACATACATCTCAATTGGTCTAGGT
GATTTTAATCACTATACCAATTGAGATGGGCTAGTCAATGATAATTACTAGTCCTT
TTCTTTGAGTTGTGGGTATCTGTAAATTCTGCTAGACCTTTGCTGGAAAACCTTG
TAAATTCTGCTAGACCTCTGTAAATTCGCTAGACCTTTGTGTGTTTTTTTTGTT
TATATTCAAGTGGTTATAATTTATAGAATAAAGAAAGAATAAAAAAAGATAAAAAG
AATAGATCCCAGCCCTGTGTATAACTCACTACTTTAGTCAGTTCCGCAGTATTAC

FIG. 8C

AAAAGGATGTCGCAAACGCTGTTTGCTCCTCTACAAAACAGACCTTAAAACCCCTA
AAGGCTTAAGTAGCACCCCTCGCAAGCTCGGGCAAATCGCTGAATATTCCTTTTG
TCTCCGACCATCAGGCACCTGAGTCGCTGTCTTTTTTCGTGACATTCAGTTCGCT
GCGCTCACGGCTCTGGCAGTGAATGGGGGTAAATGGCACTACAGGCGCCTTTT
ATGGATTCATGCAAGGAACTACCCATAATACAAGAAAAGCCCGTCACGGGCTT
CTCAGGGCGTTTTATGGCGGGTCTGCTATGTGGTGCTATCTGACTTTTTGCTGT
TCAGCAGTTCCTGCCCTCTGATTTTCCAGTCTGACCACTTCGGATTATCCCGTG
ACAGGTCATTCAGACTGGCTAATGCACCCAGTAAGGCAGCGGTATCATCAACAG
GCTTACCCGTCTTACTGTCGGGAATTCATTTAAATAGTCAAAGCCTCCGACCG
GAGGCTTTTGACTGCTAGGCGATCTGTGCTGTTTGCCACGGTATGCAGCACCA
GCGCGAGATTATGGGCTCGCACGCTCGACTGTCGGACGGGGGCACTGGAACG
AGAAGTCAGGCGAGCCGTCACGCCCTTGACAATGCCACATCCTGAGCAAATAAT
TCAACCACTAAACAAATCAACCGCGTTTCCCGGAGGTAACCAAGCTTGCGGGGAG
AGAATGATGAACAAGAGCCAACAAGTTCAGACAATCACCCCTGGCCGCCGCCCA
GCAAATGGCGGCGGCGGTGGAAAAAAAAGCCACTGAGATCAACGTGGCGGTG
GTGTTTTCCGTAGTTGACCGCGGAGGCAACACGCTGCTTATCCAGCGGATGGA
CGAGGCCTTCGTCTCCAGCTGCGATATTTCCCTGAATAAAGCCTGGAGCGCCT
GCAGCCTGAAGCAAGGTACCCATGAAATTACGTCAGCGGTCCAGCCAGGACAA
TCTCTGTACGGTCTGCAGCTAACCAACCAACAGCGAATTATTATTTTTGGCGGC
GGCCTGCCAGTTATTTTAAATGAGCAGGTAATTGGCGCCGTCGGCGTTAGCGG
CGGTACGGTCGAGCAGGATCAATTATTAGCCAGTGCGCCCTGGATTGTTTTTC
CGCATTATAACCTGAAGCGAGAAGGTATATTATGAGCTATCGTATGTTCCGCCA
GGCATTCTGAGTGTTAACGAGGGGACCGTCATGTCGCTTTACCGCCAGGCGT
ACGCCTGTTTTACGATCCGCGCGGGCACCATGCCGGCGCCATCAATGAGCTGT
GCTGGGGGCTGGAGGAGCAGGGGGTCCCCTGCCAGACCATAACCTATGACGG
AGGCGGTGACGCCGCTGCGCTGGGCGCCCTGGCGGCCAGAAGCTCGCCCCCT
GCGGGTGGGTATCGGGCTCAGCGCGTCCGGCGAGATAGCCCTCACTCATGCC
CAGCTGCCGGCGGACGCGCCGCTGGCTACCGGACACGTCACCGATAGCGACG
ATCAACTGCGTACGCTCGGCGCCAACGCCGGGCAGCTGGTTAAAGTCCTGCCG
TTAAGTGAGAGAACTGAATGTATCGTATCTATACCCGCACCGGGGATAAAGGC
ACCACCGCCCTGTACGGCGGCAGCCGCATCGAGAAAGACCATATTCGCGTCA
GGCCTACGGCACCGTCGATGAACTGATATCCCAGCTGGGCGTCTGCTACGCCA
CGACCCGCGACGCCGGGCTGCGGGAAAGCCTGCACCATATTCAGCAGACGCT

FIG. 8D

GTTCTGTGCTGGGGGCTGAACTGGCCAGCGATGCGCGGGGCCTGACCCGCCTG
AGCCAGACGATCGGCGAAGAGGAGATCACCGCCCTGGAGCGGCTTATCGACC
GCAATATGGCCGAGAGCGGCCCCGTAAAACAGTTCGTGATCCCGGGGAGGAAT
CTCGCCTCTGCCAGCTGCACGTGGCGCGCACCCAGTCCCGTCGGCTCGAAC
GCCTGCTGACGGCCATGGACCGCGCGCATCCGCTGCGCGACGCGCTCAAACG
CTACAGCAATCGCCTGTGCGATGCCCTGTTCTCCATGGCGCGAATCGAAGAGA
CTAGGCCTGATGCTTGCGCTTGAAGTGGCCTAGCAAACACAGAAAAAGCCCG
CACCTGACAGTGCGGGCTTTTTTTTTCTAGGCGATCTGTGCTGTTTGCCACGG
TATGCAGCACCAGCGCGAGATTATGGGCTCGCACGCTCGACTGTGCGACGGG
GGCACTGGAACGAGAAGTCAGGCGAGCCGTACGCCCTTGACAATGCCACATC
CTGAGCAAATAATTCAACCACTAAACAAATCAACCGCGTTTCCCGGAGGTAACC
AAGCTTCACCTTTTGAGCCGATGAACAATGAAAAGATCAAACGATTTGCAGTAC
TGGCCCAGCGCCCCGTCAATCAGGACGGGCTGATTGGCGAGTGGCCTGAAGA
GGGGCTGATCGCCATGGACAGCCCCTTGACCCGGTCTCTTCAGTAAAAGTGG
ACAACGGTCTGATCGTCGAACTGGACGGCAAACGCCGGGACCAGTTTGACATG
ATCGACCGATTTATCGCCGATTACGCGATCAACGTTGAGCGCACAGAGCAGGC
AATGCGCCTGGAGGCGGTGGAAATAGCCCGTATGCTGGTGGATATTCACGTCA
GCCGGGAGGAGATCATTGCCATCACTACCGCCATCACGCCGGCCAAAGCGGTG
GAGGTGATGGCGCAGATGAACGTGGTGGAGATGATGATGGCGCTGCAGAAGAT
GCGTGCCCGCCGGACCCCCCTCCAACCAAGTGCCACGTACCAATCTCAAAGATA
ATCCGGTGCAGATTGCCGCTGACGCCGCCGAGGCCGGGATCCGCGGCTTCTC
AGAACAGGAGACCACGGTCCGTATCGCGCGCTACGCGCCGTTTAACGCCCTGG
CGCTGTTGGTCCGTTCCGAGTGCGGCCGCCCGCGGTGTTGACGCAGTGCTC
GGTGGAAGAGGCCACCGAGCTGGAGCTGGGCATGCGTGGCTTAACCAGCTAC
GCCGAGACGGTGTCGGTCTACGGCACCGAAGCGGTATTTACCGACGGCGATGA
TACGCCGTGGTCAAAGGCGTTCTCGCCTCGGCCTACGCCTCCCGCGGGTTGA
AAATGCGCTACACCTCCGGCACCGGATCCGAAGCGCTGATGGGCTATTCGGAG
AGCAAGTCGATGCTCTACCTCGAATCGCGCTGCATCTTCATTACTAAAGGCGCC
GGGGTTCAGGGACTGCAAACGGCGCGGTGAGCTGTATCGGCATGACCGGCG
CTGTGCCGTGCGGCATTGCGGCGGTGCTGGCGGAAACCTGATCGCCTCTATG
CTCGACCTCGAAGTGGCGTCCGCCAACGACCAGACTTTCTCCCACTCGGATATT
CGCCGCACCGCGCGCACCCCTGATGCAGATGCTGCCGGGCACCGACTTTATTTT

FIG. 8E

CTCCGGCTACAGCGCGGTGCCGAACACATGTTCCGCGGCTCGAACT
TCGATGCGGAAGATTTTGATGATTACAACATCCTGCAGCGTGACCTGATGGTTG
ACGGCGGCCTGCGTCCGGTGACCGAGGCGGAAACCATTGCCATTCGCCAGAA
AGCGGCGCGGGCGATCCAGGCGGTTTTCCGCGAGCTGGGGCTGCCGCCAATC
GCCGACGAGGAGGTGGAGGCCGCCACCTACGCGCACGGCAGCAACGAGATGC
CGCCGCGTAACGTGGTGGAGGATCTGAGTGCGGTGGAAGAGATGATGAAGCG
CAACATCACCGGCCTCGATATTGTCGGCGCGCTGAGCCGCAGCGGCTTTGAGG
ATATCGCCAGCAATATTCTCAATATGCTGCGCCAGCGGGTCACCGGCGATTACC
TGCAGACCTCGGCCATTCTCGATCGGCAGTTCGAGGTGGTGAGTGCGGTCAAC
GACATCAATGACTATCAGGGGCGGGGCACCGGCTATCGCATCTCTGCCGAACG
CTGGGCGGAGATCAAAAATATTCCGGGCGTGGTTAGCCCGACACCATTGAAT
AAGGCGGTATTCTGTGCAACAGACAACCCAAATTAGCCCTCTTTTACCCTGA
AAACCCGCGAGGGCGGGGTAGCTTCTGCCGATGAACGCGCCGATGAAGTGGT
GATCGGCGTCCGCCCTGCCTTCGATAAACACCAGCATCACACTCTGATCGATAT
GCCCCATGGCGCGATCCTCAAAGAGCTGATTGCCGGGGTGGAAGAAGAGGGG
CTTCACGCCCCGGGTGGTGCGCATTCTGCGCACGTCCGACGTCTCCTTTATGGC
CTGGGATGCGGCCAACCTGAGCGGCTCGGGGATCGGCATCGGTATCCAGTCG
AAGGGGACCACGGTCATCCATCAGCGCGATCTGCTGCCGCTCAGCAACCTGGA
GCTGTTCTCCCAGGCGCCGCTGCTGACGCTGGAGACCTACCGGCAGATTGGCA
AAAACGCTGCGCGCTATGCGCGCAAAGAGTCACCTTCGCCGGTGCCGGTGGTG
AACGATCAGATGGTGCGGCCGAAATTTATGGCCAAAGCCGCGCTATTTTCATATC
AAAGAGACCAAACATGTGGTGCAGGACGCCGAGCCCGTCACCCTGCACATCGA
CTTAGTAAGGGAGTGACCATGAGCGAGAAAACCATGCGCGTGAGGATTATCC
GTTAGCCACCCGCTGCCCGGAGCATATCCTGACGCCTACCGGCAAACCATTGA
CCGATATTACCCTCGAGAAGGTGCTCTCTGGCGAGGTGGGCCCCGAGGATGTG
CGGATCTCCCGCCAGACCCTTGAGTACCAGGCGCAGATTGCCGAGCAGATGCA
GCGCCATGCGGTGGCGCGCAATTTCCGCCGCGCGGCGGAGCTTATCGCCATT
CCTGACGAGCGCATTCTGGCTATCTATAACGCGCTGCGCCCGTTCCGCTCCTC
GCAGGCGGAGCTGCTGGCGATCGCCGACGAGCTGGAGCACACCTGGCATGCG
ACAGTGAATGCCGCCTTTGTCCGGGAGTCGGCGGAAGTGTATCAGCAGCGGCA
TAAGCTGCGTAAAGGAAGCTAAGCGGAGGTCAGCATGCCGTTAATAGCCGGGA
TTGATATCGGCAACGCCACCACCGAGGTGGCGCTGGCGTCCGACTACCCGCAG
GCGAGGGCGTTTGTTGCCAGCGGGATCGTCGCGACGACGGGCATGAAAGGGA

FIG. 8F

CGCGGGACAATATCGCCGGGACCCTCGCCGCGCTGGAGCAGGCCCTGGCGAA
AACACCGTGGTCGATGAGCGATGTCTCTCGCATCTATCTTAACGAAGCCGCGCC
GGTGATTGGCGATGTGGCGATGGAGACCATCACCGAGACCATTATCACCGAAT
CGACCATGATCGGTCATAACCCGCGAGACGCCGGGCGGGGTGGGCGTTGGCGT
GGGGACGACTATCGCCCTCGGGCGGCTGGCGACGCTGCCGGCGGGCGCAGTAT
GCCGAGGGGTGGATCGTACTGATTGACGACGCCGTGATTTCTTGACGCCGT
GTGGTGGCTCAATGAGGCGCTCGACCGGGGGATCAACGTGGTGGCGGGCGATC
CTCAAAAAGGACGACGGCGTGCTGGTGAACAACCGCCTGCGTAAACCCTGCC
GGTGGTGGATGAAGTGACGCTGCTGGAGCAGGTCCCCGAGGGGGTAATGGCG
GCGGTGGAAGTGGCCGCGCCGGGCCAGGTGGTGCGGATCCTGTGGAATCCCT
ACGGGATCGCCACCTTCTTCGGGCTAAGCCCGGAAGAGACCCAGGCCATCGTC
CCCATCGCCCGCGCCCTGATTGGCAACCGTTCCGCGGTGGTGGTCAAGACCCC
GCAGGGGGATGTGCAGTCGCGGGTGATCCCGGCGGGCAACCTCTACATTAGC
GGCGAAAAGCGCCGCGGAGAGGCCGATGTCGCCGAGGGCGCGGAAGCCATC
ATGCAGGCGATGAGCGCCTGCGCTCCGGTACGCGACATCCGCGGCGAACC GG
GCACCCACGCCGCGGCATGCTTGAGCGGGTGCGCAAGGTAATGGCGTCCCT
GACCGGCCATGAGATGAGCGCGATATACATCCAGGATCTGCTGGCGGTGGATA
CGTTTATTCCGCGCAAGGTGCAGGGCGGGATGGCCGGCGAGTGCGCCATGGA
GAATGCCGTCTGGGATGGCGGCGATGGTGAAAGCGGATCGTCTGCAAATGCAG
GTTATCGCCCGCGAACTGAGCGCCCGACTGCAGACCGAGGTGGTGGTGGGCG
GCGTGGAGGCCAACATGGCCATCGCCGGGGCGTTAACCCTCCCGGCTGTGC
GGCGCCGCTGGCGATCCTCGACCTCGGCGCCGGCTCGACGGATGCGGCGATC
GTCAACGCGGAGGGGCGAGATAACGGCGGTCCATCTCGCCGGGGCGGGGAATA
TGGTCAGCCTGTTGATTAAAACCGAGCTGGGCCTCGAGGATCTTTCGCTGGCG
GAAGCGATAAAAAAATACCCGCTGGCCAAAGTGGAAGCCTGTTCAGTATTCGT
CACGAGAATGGCGCGGTGGAGTTCTTTCGGGAAGCCCTCAGCCCGGCGGTGTT
CGCCAAAGTGGTGTACATCAAGGAGGGCGAACTGGTGCCGATCGATAACGCCA
GCCCGCTGGAAAAAATTCGTCTCGTGCGCCGGCAGGCGAAAGAGAAAGTGTTC
GTCACCAACTGCCTGCGCGCGCTGCGCCAGGTCTCACCCGGCGGTTCCATTCC
CGATATCGCCTTTGTGGTGGTGGTGGGCGGCTCATCGCTGGACTTTGAGATCC
CGCAGCTTATCACGGAAGCCTTGTCGCACTATGGCGTGGTGGCGGGCGAGGG
CAATATTCGGGGAACAGAAGGGCCGCGCAATGCGGTGCGCACCGGGGCTGCTA
CTGGCCGGTCAGGCGAATTAAACGGGCGCTCGCGCCAGCCTCTAGGTACAAAT

FIG. 8G

AAAAAAGGCACGTCAGATGACGTGCCTTTTTTCTTGTCTAGAGTACTGGCGAAA
GGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCCAGTC
ACGACGTTGTAAAACGACGGCCAGTGAATTCGAGCTCGGTACCCGGGGCGGGCC
GCGCTAGCGCCCCGATCCAGCTGGAGTTTGTAGAAACGCAAAAAGGCCATCCGT
CAGGATGGCCTTCTGCTTAATTTGATGCCTGGCAGTTTATGGCGGGCGTCCTGC
CCGCCACCCTCCGGGGCGTTGCTTCGCAACGTTCAAATCCGCTCCCGGCGGAT
TTGTCCTACTCAGGAGAGCGTTCACCGACAAACAACAGATAAAACGAAAGGCC
AGTCTTTCGACTGAGCCTTTCGTTTTATTTGATGCCTGGCAGTTCCCTACTCTCG
CATGGGGAGACCCACACTACCATCGGCGCTACGGCGTTTCACTTCTGAGTTC
GGCATGGGGTCAGGTGGGACCACCGCGCTACTGCCGCCAGGCAAATTCTGTTT
TATCAGACCGCTTCTGCGTTCTGATTTAATCTGTATCAGGCTGAAAATCTTCTCT
CATCCGCCAAAACAGCCAAGCTTGCATGCCTGCAGCCCGGGTTACCATTTCAAC
AGATCGTCCTTAGCATATAAGTAGTCGTCAAAATGAATTCAACTTCGTCTGTTT
CGGCATTGTAGCCGCCAACTCTGATGGATTCTGTTGTTTGGACAATGATGTCAC
AGCCTTTTTCTTTAGGAAGTCCAAGTCGAAAGTAGTGGCAATACCAATGATCTT
ACAACCGGCGGCTTTTCCGGCGGCAATACCTGCTGGAGCGTCTTCAAATACTAC
TACCTTAGATTTGGAAGGGTCTTGCTCATTGATCGGATATCCTAAGCCATTCTGT
CCCTTCAGATATGGTTCTGGATGAGGCTTACCCTGTTTGACATCATTAGCGGTA
ATGAAGTACTTTGGTCTCCTGATTCCCAGATGCTCGAACCATTTTTGTGCCATAT
CACGGGTACCGGAAGTTGCCACAGCCCATTCTCTTTTGGTAGAGCGTTCAAAG
CGTTGCACAGCTTAACTGCACCTGGGACTTCAATGGATTTTTTACCAGTACTTGA
CCGGAATTTAGCTTCTAATTTGTTAACATACTCTTCATTGGCAAAGTCTGGAGC
GAACTTAGCAATGGCATCAAACGTTCTCCAACCATGCGAGACTTGGATAACGTG
TTCAGCATCGAAATAAGGTTTGTCTTACCGAAATCCCTCCAGAATGCAGCAAT
GGCTGGTTGAGAGATGATAATGGTACCGTCGACGTCGAACAAAGCGGCGTTAA
CTTTCAAAGATAGAGGTTTAGTAGTCAATCCCATAATTCTAGTCTGTTTCCTGGA
TCCAATAAATCTAATCTTCATGTAGATCTAATTCTTCAATCATGTCCGGCAGGTTT
TTCATTGGGTAGTTGTTGTAAACGATTTGGTATACGGCTTCAAATAATGGGAAGT
CTTCGACAGAGCCACATGTTTCCAACCATTCGTGAACCTTCTTTGCAGGTAATTAA
ACCTTGAGCGGATTGGCCATTCAACAACTCCTTTTACATTCCCAGGCGTCCTT
ACCAGAAGTAGCCATTAGCCTAGCAACCTTGACGTTTCTACCACCAGCGCAGGT
GGTGATCAAATCAGCAACACCAGCAGACTCTTGGTAGTATGTTTCTTCTCTAGAT
TCTGGGAAAAACATTTGACCGAATCTGATGATCTCACCCAAACCGACTCTTTGG

FIG. 8H

ATGGCAGCAGAAGCGTTGTTACCCCAGCCTAGACCTTCGACGAAACCACAACCT
AAGGCAACAACGTTCTTCAAAGCACCACAGATGGAGATACCAGCAACATCTTCG
ATGACACTAACGTGGAAGTAAGGTCTGTGGAACAAGGCCTTTAGAACCTTATGG
TCGACGTCCTTGCCCTCGCCTCTGAAATCCTTTGGAATGTGGTAAGCAACTGTT
GTTTCAGACCAGTGTTCTTGAGCGACTTCGGTGGCAATGTTAGCACCAGATAGA
GCACCACATTGAATACCTAGTTCCTCAGTGATGTAAGAGGATAGCAATTGGACA
CCTTTAGCACCAACTTCAAACCCCTTTAGACAGGAGATAGCTCTGACGTGTGAA
TCAACATGACCTTTCAATTGGCTACAGATACGGGGCAAAAATTGATGTGGAATG
TTGAAAACGATGATGTCGACATCCTTGACTGAATCAATCAAGTCTGGATTAGCAA
CCAAATTGTGGGTAGAGTGATGCCAGGCAAGTATTTACGTTTTTGATGTCTAG
TATTTATGATTTTCAGTCAATTTTTTACCATTGATCTCTTCTTCGAACACCCACATT
TGTAATATTGGAGCGAAACTTCTGGGTATCCCTTACAATTTTCGGCAACCACCT
TGGCAATAGTAGTACCCCAGTTACCAGATCCAATCACAGTAACCTTGAAAGGCT
TTTCGGCAGCCTTCAAAGAAACAGAAGAGGAACTTCTCTTTCTACCAGCATTCAA
GTGGCCGGAAGTTAAGTTTAATCTATCAGCAGCAGCAGCCATGGAATTGTCCTC
CTTACTAGTCATGGTCTGTTTCCTGTGTGAAATTGTTATCCGCTCACAATTCCAC
ACATTATACGAGCCGGATGATTAATTGTCAACAGCTCATTTTCAGAATATTTGCCA
GAACCGTTATGATGTCGGCGCAAAAAACATTATCCAGAACGGGAGTGCGCCTTG
AGCGACACGAATTATGCAGTGATTTACGACCTGCACAGCCATACCACAGCTTCC
GATGGCTGCCTGACGCCAGAAGCATTGGTGCACGCTAGCCAGTACATTTAAATG
GTACCCTCTAGTCAAGGCCTTAAGTGAGTCGTATTACGGACTGGCCGTCGTTTT
ACAACGTCGTGACTGGGAAAACCCTGGCGTTACCCAACTTAATCGCCTTGACAGC
ACATCCCCCTTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCC
CTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGGCGCCTGATGCGGTATTTTC
TCCTTACGCATCTGTGCGGTATTTACACCGCATATGGTGCACCTCTCAGTACAAT
CTGCTCTGATGCCGCATAGTTAAGCCAGCCCCGACACCCGCCAACACCCGCTG
ACGAGCT

FIG. 9

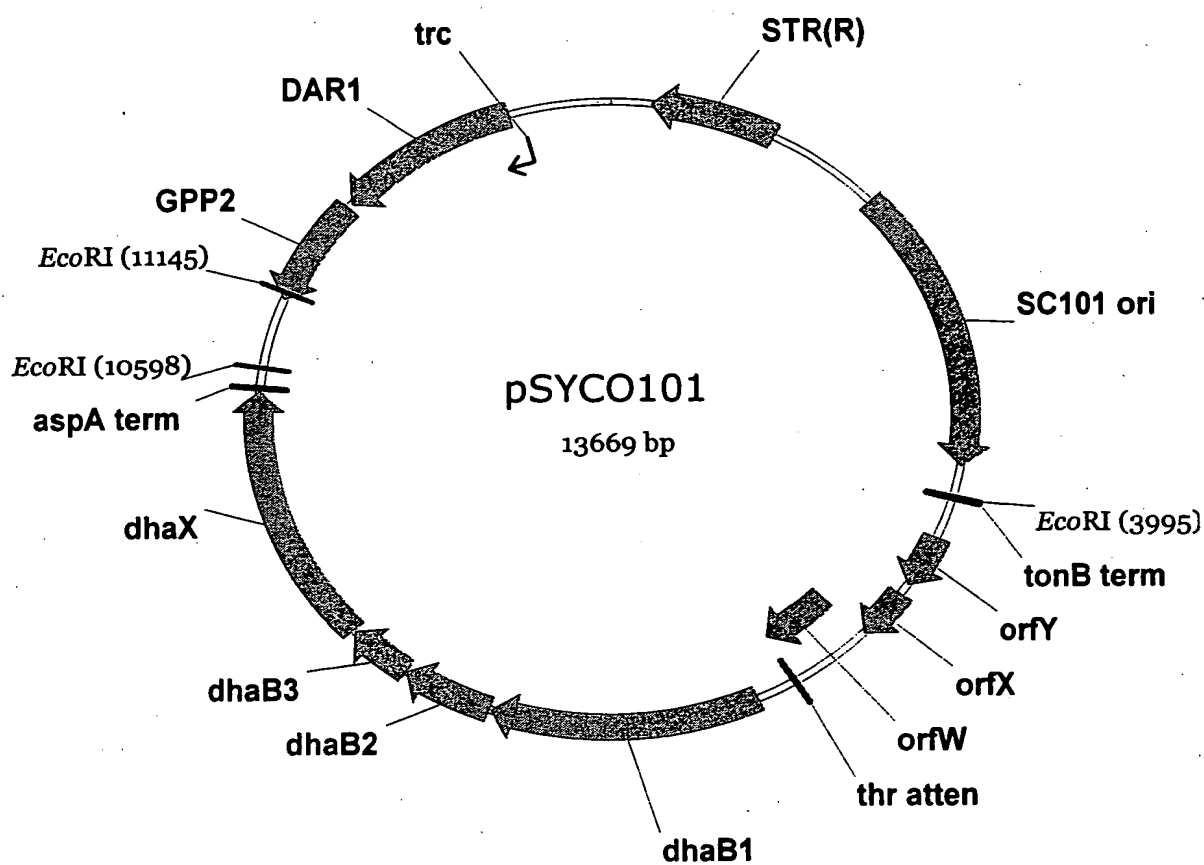
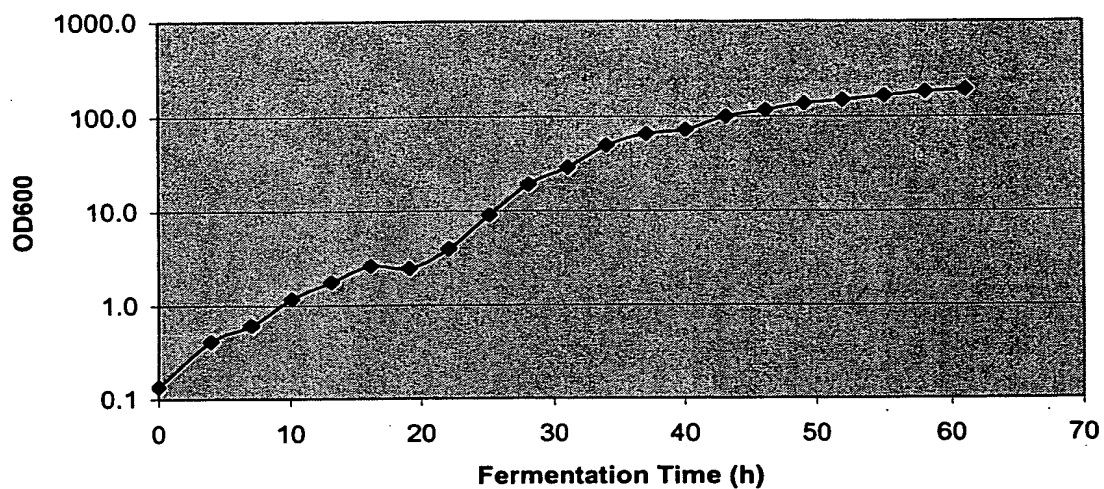


FIG. 10.

A.



B.

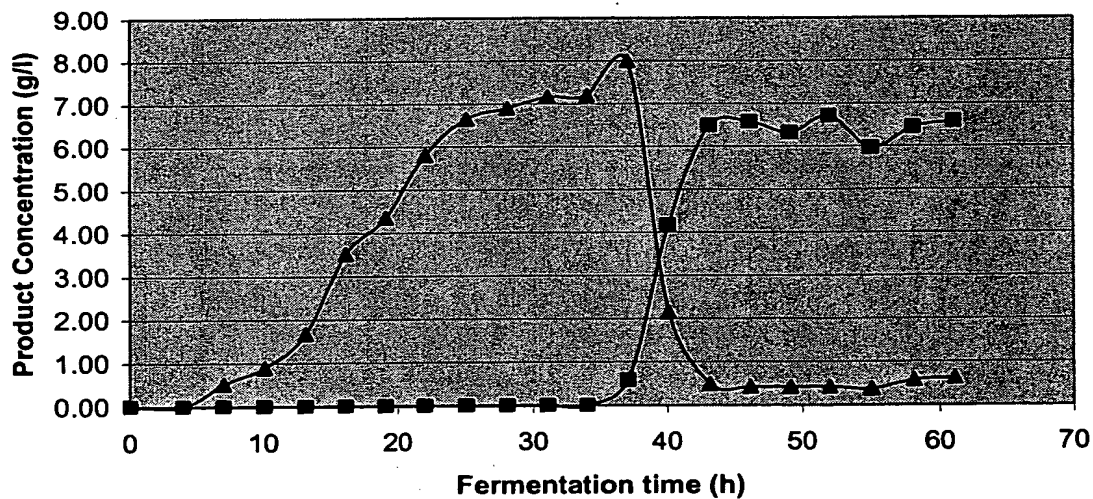
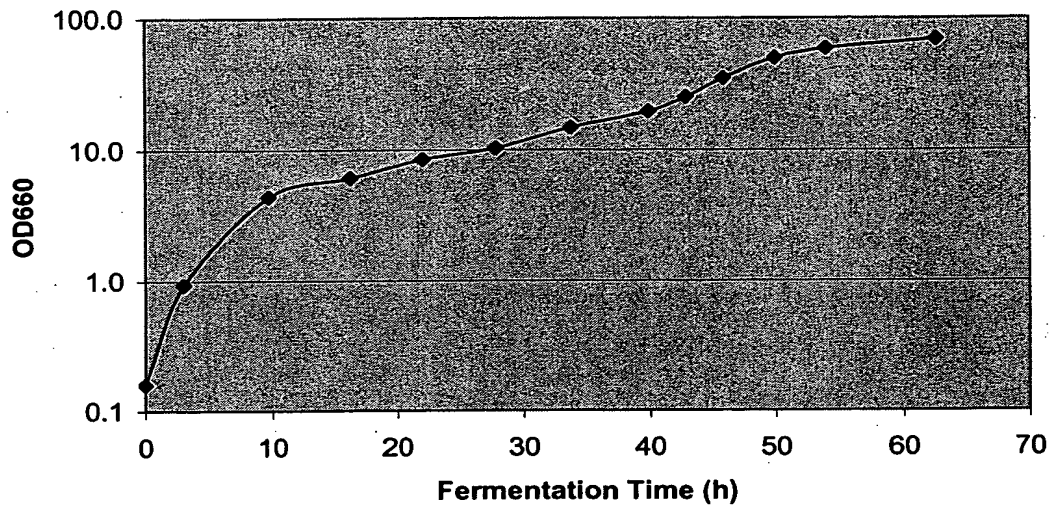


FIG. 11

A.



B.

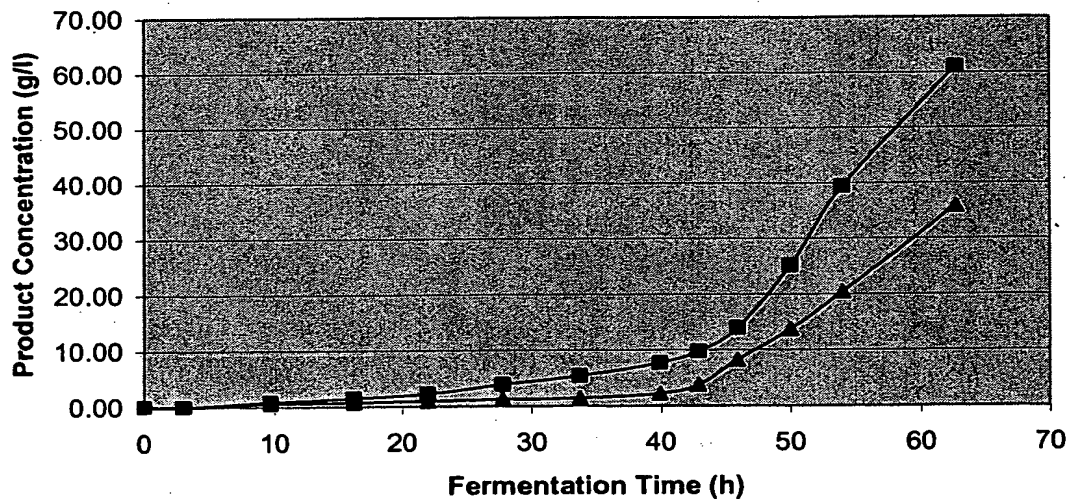
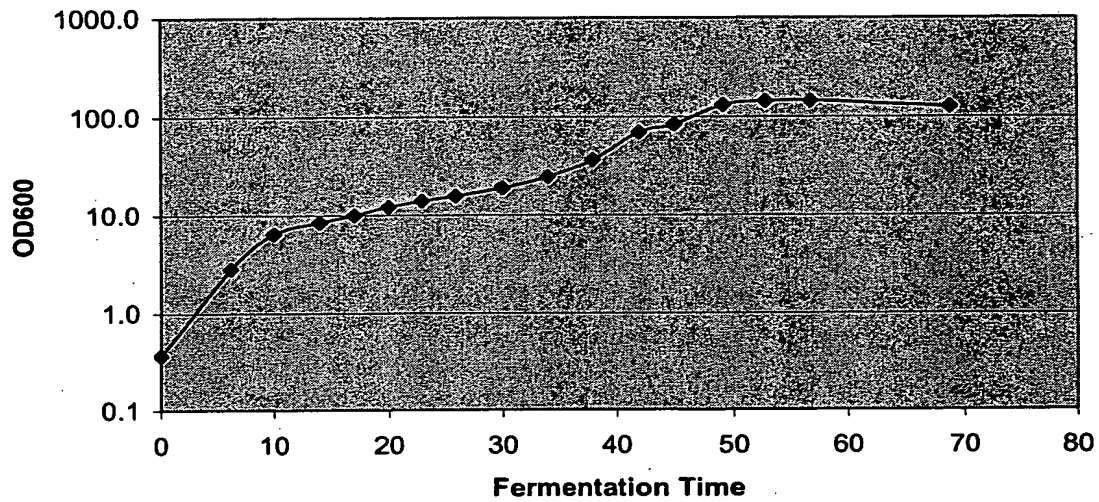
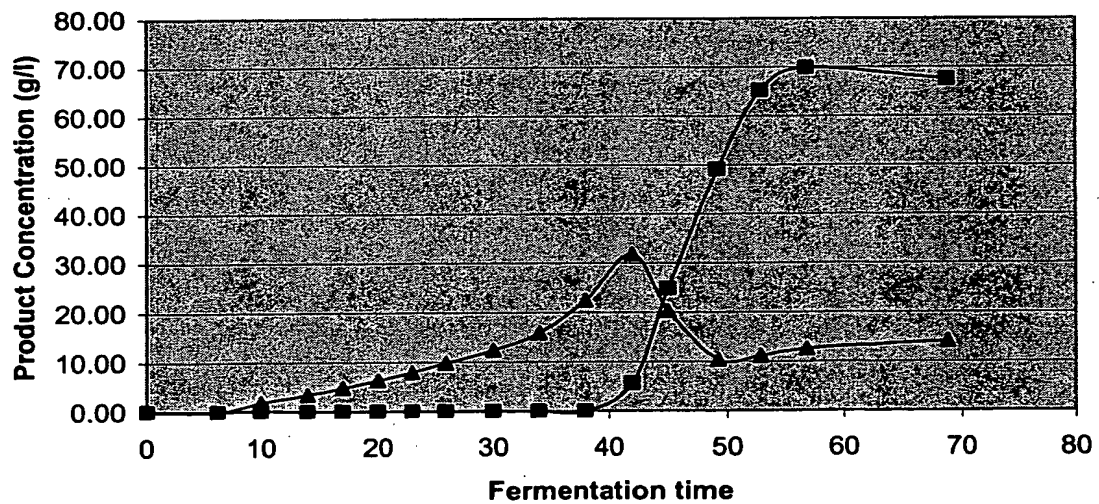


FIG. 12

A.



B.



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